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Claims

1.   Data processing apparatus, comprising input devices, a storage device, a processing device and output devices, wherein said storage device is configured to receive data representing an edit decision list;

said edit decision list has edit decisions with edit data and frame range data;

an input device applies input data to said processing device in response to user manipulations specifying changes to said edit data; and

said processing device is configured to identify an associated function of the identified edit data, calculate a modification to said range data in response to said identified function, and write said modified range data to said storage device.

2.   Apparatus according to claim 1, wherein said processing device is configured to identify a particular entry of an edit decision list in response to the position of a cursor displayed by an output device; and

said processing device is configured to determine a data type by determining the position of the data type with reference to line delimiters.

3.   Apparatus according to claim 2, wherein said processing device is configured to identify an associated function by reference to a look-up table.

4.   A method of processing data representing an edit decision list, wherein said edit decision list has edit decisions with edit data and frame range data, said method comprising the steps of

loading an edit decision list into addressable memory locations;

receiving input data in response to user manipulations of an input device identifying edit data and a modification to said edit data;

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identifying an associated function of the identified edit data;

calculating a modification to said range data in response to said identified function and said user specified modification; and

writing said modified range data to an addressable storage location.

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5.   A method according to claim **4**, wherein said edit data represents an edit type and said frame range data represents a range of source frames, wherein

said edit type is modified resulting in modifications being made to said source range.

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6.   A method according to claim **5**, wherein said edit type represents a cut and said cut is modified to represent a dissolve or a wipe.

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7.   A method according to claim **6**, wherein said dissolve or wipe frames require input frames from two sources and said source range is modified to represent an overlap of frames for the duration of said wipe or said dissolve.

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8.   A method according to claim **4**, wherein said edit data represents a unique line identifier and said frame range data represents a range of output destination frames, wherein

said unique identifier is modified resulting in modifications to said destination range.

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9.   A method according to claim **8**, wherein said identified function is a copy, edit decisions are copied to create additional uniquely identified lines and said destination ranges are modified to specify new output images.

10. A method according to claim **9**, wherein the position of said new lines is defined by a process of dragging and dropping an identified range of lines within the existing edit decision list.

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11. A method according to claim **4**, wherein frame ranges are modified by performing calculations upon time codes defining frames in terms of hours, minutes, seconds and frame numbers.

12. A computer-readable medium having computer-readable instructions executable by a computer such that said computer performs the
10 steps of:

    loading an edit decision list into addressable memory locations;

    receiving input data in response to user manipulations of an input device identifying edit data and modifications to said edit data;

15   identifying an associated function of the identified edit data;

    calculating a modification to said range data in response to said identified function and said user specified modification; and

    writing said modified range data to an addressable storage location.

20 **13.** A computer-readable medium having computer-readable instructions according to claim **12**, such that when executed by a computer said edit data represents an edit type and said frame range data represents a range of source frames, wherein said edit type is modified resulting in modifications being made to said source range.

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14. A computer-readable medium having computer-readable instructions according to claim **13**, such that when executed by a computer said edit type represents a cut and said cut is modified to represent a dissolve or a wipe.

15. A computer-readable medium having computer-readable instructions according to claim **14**, such that when executed by a computer said dissolve or wipe frames require input frames from two sources and said source range is modified to represent an overlap of frames for the duration of said wipe or said dissolve.

16. A computer-readable medium having computer-readable instructions according to claim **12**, such that when executed by a computer said edit data represents a unique line identifier and said frame range data represents a range of output destination frames, wherein said unique identifier is modified resulting in modifications to said destination range.

17. A computer-readable medium having computer-readable instructions according to claim **16**, such that when executed by computer said identified function is a copy, edit decisions are copied to create additional uniquely identified lines and said destination ranges are modified to specify new output images.

18. A computer-readable medium having computer-readable instructions according to claim **17**, such that when executed by a computer the position of said new lines is defined by a process of dragging and dropping an identified range of lines within the existing edit decision list.

19. A computer-readable medium having computer-readable instructions according to claim **12**, such that when executed by a computer frame ranges are modified by performing calculations upon time codes defining frames in terms of hours, minutes, seconds and frame numbers.

20. In a computer system having a graphical user interface including a display and a user interface selection device, a method of processing data representing an edit decision list, wherein

an edit decision list is displayed to a user as lines of EDL text having

5 edit data and frame range data;

a user identifies and modifies edit data by operation of said selection device; and

in response to machine-executable instructions, frame range data is modified in response to said manual modification of said edit data.

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